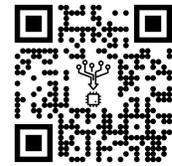


CODAI'23: Workshop on Compilers, Deployment, and Tooling for Edge AI

Call for Papers

September 17th - 22th 2023 | Hybrid Workshop, co-hosted at Embedded Systems Week



The **CODAI** workshop brings together the emerging energy in the AI compiler communities and AI accelerator communities focusing on **Edge AI** in both **academic and industrial research**. Original technical research submissions as well as submissions from industry and applications on, but not limited to, the following topics are invited:

- Compilers for Edge AI: **partitioning, mapping, retargeting, intermediate representations, for heterogeneous systems and architectures, μ C, DSP** etc.
- Optimization techniques of neural networks on embedded edge systems: **compression, pruning, quantization techniques, hardware/compiler-aware neural architecture search**, etc.
- Performance estimation of neural networks on embedded systems: **virtual prototyping, surrogate modeling, profiling** etc.
- Code-generation and hardware-backends for Embedded AI accelerators - especially for **RISC-V** and **beyond-von-Neumann AI accelerators** is appreciated
- Applications: processing of **embedded vision, sensor signal processing, novel brain-inspired algorithms for Edge AI** etc.

Submission Details

Submissions can be made on the [CODAI website](#). Manuscripts with up to four (4) pages excluding references will be reviewed. The reviewing process is double-blinded. Therefore, please exclude all author's information in the PDF. Full papers will be reviewed, preliminary submissions may not be considered. Please use the submission [template](#) linked on the [CODAI website](#).

Important Dates

- **Abstract submission deadline: July 6, 2023 at 23:59 AOE**
- **Paper submission deadline: July 13, 2023 at 23:59 AOE**
- Acceptance notification: August 10, 2023 at 23:59 AOE
- Camera-ready deadline: August 24, 2023 at 23:59 AOE